



100716668-042202
04-25-02
MP/48

EXPRESS MAIL CERTIFICATE

TRADEMARK OFFICE

APR 22 2002

JCS

EX-1

EX-2

EX-3

EX-4

EX-5

EX-6

EX-7

EX-8

EX-9

EX-10

EX-11

EX-12

EX-13

EX-14

EX-15

EX-16

EX-17

EX-18

EX-19

EX-20

EX-21

EX-22

EX-23

EX-24

EX-25

EX-26

EX-27

EX-28

EX-29

EX-30

EX-31

EX-32

EX-33

EX-34

EX-35

EX-36

EX-37

EX-38

EX-39

EX-40

EX-41

EX-42

EX-43

EX-44

EX-45

EX-46

EX-47

EX-48

EX-49

EX-50

EX-51

EX-52

EX-53

EX-54

EX-55

EX-56

EX-57

EX-58

EX-59

EX-60

EX-61

EX-62

EX-63

EX-64

EX-65

EX-66

EX-67

EX-68

EX-69

EX-70

EX-71

EX-72

EX-73

EX-74

EX-75

EX-76

EX-77

EX-78

EX-79

EX-80

EX-81

EX-82

EX-83

EX-84

EX-85

EX-86

EX-87

EX-88

EX-89

EX-90

EX-91

EX-92

EX-93

EX-94

EX-95

EX-96

EX-97

EX-98

EX-99

EX-100

EX-101

EX-102

EX-103

EX-104

EX-105

EX-106

EX-107

EX-108

EX-109

EX-110

EX-111

EX-112

EX-113

EX-114

EX-115

EX-116

EX-117

EX-118

EX-119

EX-120

EX-121

EX-122

EX-123

EX-124

EX-125

EX-126

EX-127

EX-128

EX-129

EX-130

EX-131

EX-132

EX-133

EX-134

EX-135

EX-136

EX-137

EX-138

EX-139

EX-140

EX-141

EX-142

EX-143

EX-144

EX-145

EX-146

EX-147

EX-148

EX-149

EX-150

EX-151

EX-152

EX-153

EX-154

EX-155

EX-156

EX-157

EX-158

EX-159

EX-160

EX-161

EX-162

EX-163

EX-164

EX-165

EX-166

EX-167

EX-168

EX-169

EX-170

EX-171

EX-172

EX-173

EX-174

EX-175

EX-176

EX-177

EX-178

EX-179

EX-180

EX-181

EX-182

EX-183

EX-184

EX-185

EX-186

EX-187

EX-188

EX-189

EX-190

EX-191

EX-192

EX-193

EX-194

EX-195

EX-196

EX-197

EX-198

EX-199

EX-200

EX-201

EX-202

EX-203

EX-204

EX-205

EX-206

EX-207

EX-208

EX-209

EX-210

EX-211

EX-212

EX-213

EX-214

EX-215

EX-216

EX-217

EX-218

EX-219

EX-220

EX-221

EX-222

EX-223

EX-224

EX-225

EX-226

EX-227

EX-228

EX-229

EX-230

EX-231

EX-232

EX-233

EX-234

EX-235

EX-236

EX-237

EX-238

EX-239

EX-240

EX-241

EX-242

EX-243

EX-244

EX-245

EX-246

EX-247

EX-248

EX-249

EX-250

EX-251

EX-252

EX-253

EX-254

EX-255

EX-256

EX-257

EX-258

EX-259

EX-260

EX-261

EX-262

EX-263

EX-264

EX-265

EX-266

EX-267

EX-268

EX-269

EX-270

EX-271

EX-272

EX-273

EX-274

EX-275

EX-276

EX-277

EX-278

EX-279

EX-280

EX-281

EX-282

EX-283

EX-284

EX-285

EX-286

EX-287

EX-288

EX-289

EX-290

EX-291

EX-292

EX-293

EX-294

EX-295

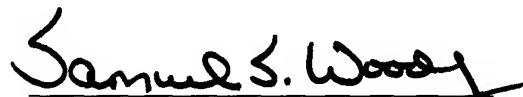
1. A check in the amount of **\$4,584.00** in payment of the filing and recordation fees (as estimated on the attached **Fee Computation Sheet**);
2. A Declaration and Power of Attorney document, executed by the inventors Zhen-Gang Wang, Christopher A. Voigt, Stephen L. Mayo and Frances H. Arnold (3 pages);
3. A return copy of the Notice to File Missing Parts;
4. A Submission of Substitute Drawings (3 pages) accompanied by Exhibit A: substitute drawings for **FIGS. 2, 3, 4C, 4D, 7, 8, 9, 10, 12, 19 and 23** (on 10 sheets), Exhibit B: a redlined copy of the aforementioned drawings (on 7 sheets);
5. A Preliminary Amendment Under 37 C.F.R. § 1.111 (9 pages), accompanied by Exhibit 1 (5 pages); and Exhibit 2 (29 pages)
6. An Information Disclosure Statement (3 pages), accompanied by Form PTO-1449 (10 pages) and copies of references 91-112 cited therein;
7. A Sequence Listing in paper and computer readable forms, pursuant to 37 C.F.R. § 1.821 (c) and (e) and § 1.824; and
8. Pursuant to the requirements of 37 C.F.R. § 1.821 (f) and (g), the undersigned hereby states that the Sequence Listing submitted herewith contains no new matter and that the Sequence Listing

information recorded in the submitted computer readable form is identical to the written Sequence Listing (i.e., the paper copy)

It is believed that no additional fees are required for these submissions. However, should the U.S. Patent and Trademark Office determine that any additional fee is due or that a refund is owed for this application, the Commissioner is hereby authorized and requested to charge the fee(s) due or credit the refund(s) owed to Deposit Account No. 04-0100.

Respectfully submitted,

Dated: April 22, 2002



Samuel S. Woodley, Ph.D.
Reg. No. 43,287
Agent for Applicant(s)

DARBY & DARBY P.C.
805 Third Avenue
New York, NY 10022
212-527-7700



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/016,668	10/26/2001	Zhen-Gang Wang	9373/1H812US3

CONFIRMATION NO. 3843

FORMALITIES LETTER



OC00000007521427

DARBY & DARBY P.C.
805 Third Avenue
New York, NY 10022

Date Mailed: 02/22/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

04/26/2002 SFELEKE1 00000074 10016668

01 FC:101	740.00 0P	FILED UNDER 37 CFR 1.53(b)
02 FC:102	924.00 0P	
03 FC:103	2790.00 0P	
04 FC:105	130.00 0P	<i>Filing Date Granted</i>

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$3714.
 - \$2790 for 155 total claims over 20.
 - \$924 for 11 independent claims over 3 .
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 4584.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- The Claim(s) commencing on a separate sheet (37 CFR 1.75(h)).
- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e));
- This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at

63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- **For Rules Interpretation, call (703) 308-4216**
- **To Purchase PatentIn Software, call (703) 306-2600**
- **For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov**

*A copy of this notice **MUST** be returned with the reply.*


Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



100 1668-042202 9

EXPRESS MAIL CERTIFICATE

Date

4/22/02 Label No. 028721855-45

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

B.W. Lee
Name (Print)

B.W. Lee
Signature

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR CREDIT ANY EXCESS IN THE FEES DUE WITH THIS DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04-0100

#4

Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No: 9373/1H812-US3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Zhen-Gang WANG et al.

Serial No.: 10/016,668

Art Unit: 1642

Confirmation No.: 3843

Filed: 10/26/2001

Examiner: To be assigned

For: GENE RECOMBINATION AND HYBRID PROTEIN DEVELOPMENT

SUBMISSION OF SUBSTITUTE DRAWINGS

Hon. Commissioner of Patents and Trademarks
Washington, DC 20231

Sir:

In response to the Notice to File Missing Parts (hereinafter referred to as the "Notice") mailed on February 22, 2002 for the above-captioned patent application and in accordance with 37 C.F.R. 1.821-1.825 and 1.84, Applicants respectfully request authorization to amend the drawings as filed for this application.

The Notice indicates that the drawings as filed have been rejected under 37 C.F.R. § 1.84(e) because the previously submitted drawings are not electronically reproducible. In particular, Applicant understand that certain drawings submitted with the application as filed were too light to be electronically reproduced. In order to be fully responsive to the Notice, substitute drawings, which are darker and/ or of clearer print quality, are submitted herewith that are believed to be fully compliant with the requirements of 37 C.F.R. § 1.84(e). Specifically, darker and/or clearer print quality substitute drawings for FIGS. 2, 4C, 4D, 7, 8, 10, and 12, are submitted herewith at Exhibit Tab A. The drawings have been changed only to darken the drawings and do not introduce new matter to the application.

In addition, Applicant understand that certain drawings failed to comply with the requirements of 37 C.F.R. § 1.84(o) in that they contain excessive text. In order to comply with 37 C.F.R. § 1.84(o), substitute drawings without the excessive text are submitted herewith.

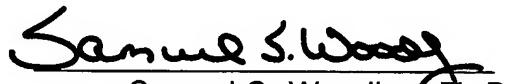
The Notice also indicates that the drawings as filed have been rejected under 37 C.F.R. 1.821-1.825. In order to be fully responsive to the Notice, a substitute drawing is submitted herewith that is believed to be fully compliant with the requirement of 37 C.F.R. 1.821-1.825 and 37 C.F.R. 1.84(o). The amino acid sequences of listed in FIG. 3 have been given SEQ ID NOS 1-4. (In addition, the amino acid "Sequence Listings" are submitted herein with an amendment directing entry.)

Substitute drawings for FIGS. 3, 7, 8, 9-10, 12, 19 and 23, are submitted herewith at Exhibit Tab A. Redlined copies of these drawings are also attached hereto, at Exhibit Tab B. These redlined copies demonstrate that the drawings have been changed only to remove excessive text and do not introduce new matter to the application.

Reconsideration of the drawings for this application, in view of the substitute Figures submitted herewith is respectfully requested.

Respectfully submitted,

Dated: April 22, 2002


Samuel S. Woodley, Ph.D.
Reg. No. 43,287
Agent for Applicants

DARBY & DARBY, P.C.
805 Third Avenue
New York, N.Y. 10022
Phone (212) 527-7700